

Claims

1. Forklift truck (1) comprising two steering wheels (13, 14) mounted on one axle (12), having a lifting and steering device arranged thereon, and comprising a fork carrier frame (63) mounted on running rollers (38), having two supporting beams (26, 27), which is mounted in such a manner that it stands in interaction with the lifting and steering device, and comprising a wheel set (2, 2a) that can be disposed on the fork carrier frame (63), in the region of the front fork ends (64) of the supporting beams (26, 27),
characterized in that
the forklift truck (1) has overlapping rails (61, 62; 61a, 62a) that extend the supporting beams (26, 27), which are pushed onto the supporting beams (26, 27) and are releasably attached to the fork carrier frame (63), on the face of which rails the wheel set (2, 2a) can be releasably disposed.
2. Forklift truck according to claim 1, characterized in that the overlapping rails (61, 62; 61a, 62a) have face openings (65, 66; 65a, 66a) and underside openings (73, 74) or contact surfaces (79a, 80a) that can be

releasably brought into connection with locking means (47, 60; 51, 58; 47a, 60a; 51a, 58a) of the wheel set (2, 2a).

3. Forklift truck according to claim 1 or 2, characterized in that the overlapping rails (61, 62; 61a, 62a) have a coupling bore (65, 66; 65a, 66a) that can be brought into engagement with a coupling bolt (47, 60; 47a, 60a) of the wheel set (2, 2a), in each instance, at their front ends (77).
4. Forklift truck according to one of the preceding claims, characterized in that the overlapping rails (61, 62) have an engagement opening (73, 74) that can be brought into engagement with a catch nose (51, 58) of the wheel set (2), in each instance, at the front, on the underside.
5. Forklift truck according to one of the preceding claims, characterized in that the overlapping rails (61a, 62a) have a contact surface (79a, 80a) that can be brought into contact with a catch nose (51a, 58a) of the wheel set (2a), in each instance, at the front, on the underside.

6. Forklift truck according to one of the preceding claims, characterized in that the overlapping rails (61a, 62a) have approximately the length of the supporting beams (26, 27).
7. Forklift truck according to claim 6, characterized in that the supporting beams (26, 27) have an L-shaped carrier in their rear region.
8. Forklift truck according to one of claims 1 to 5, characterized in that the overlapping rails (61, 62) have about half the length of the supporting beams (26, 27).
9. Forklift truck according to one of the preceding claims, characterized in that it has two overlapping rails (61, 62; 61a, 62a) configured symmetrically to the center area between the supporting beams (26, 27), which are pushed onto the front regions of two supporting beams (26, 27) from the front, and are secured on the latter to prevent unintentional displacement.

10. Forklift truck according to one of the preceding claims, characterized in that the wheel set (2, 2a) has running wheels (41, 42, 43) having a diameter that corresponds to the diameter of the steering wheels (13, 14), disposed on an axle (40) so as to rotate.
11. Forklift truck according to claim 10, characterized in that the wheel set (2, 2a) has two coupling bolts (47, 60; 47a, 60a) having a distance between them that corresponds to the distance between the center axes of the supporting beams (26, 27), which coupling bolts (47, 60; 47a, 60a) can be releasably coupled with the front ends (77) of the overlapping rails (61, 62; 61a, 62a).
12. Forklift truck according to one of the preceding claims, characterized in that the wheel set (2, 2a) has an axle (40) on which a frame that runs parallel to the axle (40) and is disposed to rotate on the axle (40) is disposed, which has a holder plate (44) and two stirrups (45, 59) spaced apart from one another in the longitudinal direction of the axle (40), at a distance from the holder plate (44), whereby each stirrup (45, 59) has a coupling bolt (47, 60; 47a, 60a) that is disposed in fixed manner, with which the wheel set (2,

- 2a) can be releasably coupled to the front ends (77) of the overlapping rails (61, 62; 61a, 62a).
13. Forklift truck according to claim 12, characterized in that a rear part of the catches (50, 57; 50a, 57a) that have a nose (51, 58; 51a, 58a), in each instance, is mounted on the holder plate (44) under spring force.
14. Forklift truck according to one of the preceding claims, characterized in that three running wheels (41, 42, 43) are disposed on the axle (40) of the wheel set (2, 2a).
15. Forklift truck according to one of the preceding claims, characterized in that a running roller (38) is disposed in the region of the front end (64) of the supporting beams (26, 27), in each instance, which is mounted to be movable to pivot by means of a rod mechanism (32, 36), in each instance.
16. Forklift truck according to one of the preceding claims, characterized in that it has a lifting device mounted on the axle (12) of two steering wheels (13, 14), and a fork carrier frame (63) mounted on two running rollers (38), having two supporting beams (26, 27), which frame

is connected with the lifting and steering device in movable manner, whereby the lifting device has a lifting pump that is disposed on a console (16), which is disposed on a support (15) mounted on the axle (12) between the two steering wheels (13, 14), and whereby a steering and lifting rod (20) is disposed on the lifting pump, and the lifting pump has a piston rod (18) whose head projects upward out of the pump housing (17) of the lifting pump, and whereby a running roller (38) is disposed on the front end (64) of the two supporting beams (26, 27), in each instance, and the supporting beams (26, 27) are connected with one another at the rear end, by way of a cross-beam, and a holder frame (39) having a joint pan is provided at the rear end of the supporting beams (26, 27), which pan is mounted on the head of the piston rod (18), in articulated manner, and whereby a two-arm rod mechanism (32, 36) is disposed on both sides of the console (16), in each instance, the rear arms (32) of which are connected with the console, and the front rods (36) of which are connected with the related running roller (38), so as to pivot, in each instance.

17. Forklift truck kit, characterized by overlapping rails (61, 62; 61a, 62a) that can be pushed onto the supporting beams (26, 27) of a fork carrier frame (63) of a forklift truck (1), and releasably attached to the fork carrier frame (63), which extend the supporting beams (26, 27) in their position in which they are pushed onto the supporting beams (26, 27), and by a wheel set (2, 2a) that can be releasably attached to the face of two overlapping rails (61, 62; 61a, 62a) in their position in which they are pushed onto the supporting beams (26, 27).
18. Forklift truck kit according to claim 17, characterized in that the overlapping rails (61, 62; 61a, 62a) have face openings (65, 66; 65a, 66a) and underside openings (73, 74) or contact surfaces (79a, 80a) that can be releasably brought into connection with locking means (47, 60; 51, 58; 47a, 60a; 51a, 58a) of the wheel set (2, 2a).
19. Forklift truck kit according to claim 17 or 18, characterized in that the overlapping rails (61, 62; 61a, 62a) have a coupling bore (65, 66; 65a, 66a) that can be brought into engagement with a coupling bolt (47,

60; 47a, 60a) of the wheel set (2, 2a), in each instance, at their front ends (77).

20. Forklift truck kit according to one of claims 17 to 19, characterized in that the overlapping rails (61, 62, 61a, 62a) have an engagement opening (73, 74) that can be brought into engagement with a catch nose (51, 58) of the wheel set (2), in each instance, at the front, on the underside.

21. Forklift truck kit according to one of the preceding claims, characterized in that the overlapping rails (61a, 62a) have a contact surface (79a, 80a) that can be brought into contact with a catch nose (51a, 58a) of the wheel set (2a), in each instance, at the front, on the underside.

22. Forklift truck kit according to one of claims 17 to 21, characterized in that the overlapping rails (61a, 62a) have approximately the length of the supporting beams (26, 27).

23. Forklift truck kit according to one of claims 17 to 22, characterized in that the overlapping rails (61, 62)

have about half the length of the supporting beams (26, 27).

24. Forklift truck kit according to one of claims 17 to 23, characterized in that the overlapping rails (61, 62, 61a, 62a) can be pushed onto the supporting beams (26, 27) from the front.
25. Forklift truck kit according to one of claims 17 to 24, characterized in that the wheel set (2, 2a) has running wheels (41, 42, 43) having a diameter that corresponds to the diameter of the steering wheels (13, 14), disposed on an axle (40) so as to rotate.
26. Forklift truck kit according to one of claims 17 to 25, characterized in that the wheel set (2, 2a) has two coupling bolts (47, 60; 47a, 60a) having a distance between them that corresponds to the distance between the center axes of the supporting beams (26, 27), which coupling bolts (47, 60; 47a, 60a) can be releasably coupled with the front ends (77) of the overlapping rails (61, 62; 61a, 62a).

27. Forklift truck kit according to one of claims 17 to 26, characterized in that the wheel set (2, 2a) has an axle (40) on which a frame that runs parallel to the axle (40) and is disposed to rotate on the axle (40) is disposed, which has a holder plate (44) and two stirrups (45, 59) spaced apart from one another in the longitudinal direction of the axle (40), at a distance from the holder plate (44), whereby each stirrup (45, 59) has a coupling bolt (47, 60; 47a, 60a) that is disposed in fixed manner, with which the wheel set (2, 2a) can be releasably coupled to the front ends (77) of the overlapping rails (61, 62; 61a, 62a).
28. Forklift truck kit according to claim 27, characterized in that a rear part of the catches (50, 57; 50a, 57a) that have a nose (51, 58; 51a, 58a), in each instance, is mounted on the holder plate (44) under spring force.
29. Forklift truck kit according to one of claims 17 to 28, characterized in that three running wheels (41, 42, 43) are disposed on the axle (40) of the wheel set (2, 2a).